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☐ 1. Document ID: RU 2195149 C1 GB 2369291 A DE 10140351 A1 FR 2817138 A1 US 20020066262 A1 JP 2002172077 A CN 1355002 A KR 2002041141 A NL 1018369 C2 GB 2369291 B

L1: Entry 1 of 1

File: DWPI

Dec 27, 2002

DERWENT-ACC-NO: 2002-481884
DERWENT-WEEK: 200314
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TITLE: Cyclone dust collector for vacuum cleaner, has slanted end wall with through-hole to divide cyclone housing into upper space for guiding vortex air flow and lower space for collecting separated contaminants from air

INVENTOR: OH, J; OH, J K ; OH, J G

PATENT-ASSIGNEE:

ASSIGNEE

SAMSUNG KWANGJU ELECTRONICS CO LTD

KOSHU DENSHI KK

CODE

SMSU

KOSHN

PRIORITY-DATA: 2000KR-0070906 (November 27, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
RU 2195149 C1	December 27, 2002		000	A47L009/16
GB 2369291 A	May 29, 2002		020	A47L009/16
DE 10140351 A1	June 6, 2002		000	A47L009/16
FR 2817138 A1	May 31, 2002		000	A47L009/16
US 20020066262 A1	June 6, 2002		000	B01D050/00
JP 2002172077 A	June 18, 2002		006	A47L009/16
CN 1355002 A	June 26, 2002		000	A47L009/00
→ KR 2002041141 A	June 1, 2002		000	A47L009/16
NL 1018369 C2	August 27, 2002		000	A47L009/16
GB 2369291 B	January 15, 2003		000	A47L009/16

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
RU 2195149C1	June 28, 2001	2001RU-0118748	
GB 2369291A	July 27, 2001	2001GB-0018386	
DE 10140351A1	August 17, 2001	2001DE-1040351	
FR 2817138A1	August 28, 2001	2001FR-0011167	
US20020066262A1	January 22, 2002	2002US-0053839	
JP2002172077A	August 7, 2001	2001JP-0239101	
CN 1355002A	July 10, 2001	2001CN-0120042	
KR2002041141A	November 27, 2000	<u>2000KR-0070906</u>	
NL 1018369C2	June 22, 2001	2001NL-1018369	
GB 2369291B	July 27, 2001	2001GB-0018386	

INT-CL (IPC): A47 L 9/00; A47 L 9/16; B01 D 50/00

ABSTRACTED-PUB-NO: GB 2369291A
BASIC-ABSTRACT:

NOVELTY - A cyclone housing (30) is detachably engaged with a cyclone structure (20) connected to the telescopic extension pipe of a vacuum cleaner. The housing has a slanted end wall (31a) with a through-hole (31b) to divide the cyclone housing interior into upper and lower spaces for guiding the swirling vortex flow of air and for collecting the contaminants separated from air, respectively.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for vacuum cleaner.

USE - Cyclone dust collector mounted on telescopic extension pipe of vacuum cleaner (claimed).

ADVANTAGE - Normal cleaning is performed regardless of orientation of the vacuum cleaner or dust collector. Since the grille is protected, damage to the grille is prevented. The presence of a dividing wall between the grille and the chamber formed by the dust-collector, reduces the blocking of contaminants such as hair, vinyl tissue in the grille and unwanted dispersal of the contaminants.

DESCRIPTION OF DRAWING(S) - The figure shows an exploded view of the cyclone dust collector mounted on the vacuum cleaner.

Cyclone structure 20

Cyclone housing 30

Slanted end wall 31a

Through-hole 31b

ABSTRACTED-PUB-NO:

US20020066262A

EQUIVALENT-ABSTRACTS:

NOVELTY - A cyclone housing (30) is detachably engaged with a cyclone structure (20) connected to the telescopic extension pipe of a vacuum cleaner. The housing has a slanted end wall (31a) with a through-hole (31b) to divide the cyclone housing interior into upper and lower spaces for guiding the swirling vortex flow of air and for collecting the contaminants separated from air, respectively.

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Cyclone structure 20

Cyclone housing 30

Slanted end wall 31a

Through-hole 31b

CHOSEN-DRAWING: Dwg.2/5

TITLE-TERMS: CYCLONE DUST COLLECT VACUUM CLEAN SLANT END WALL THROUGH HOLE DIVIDE
CYCLONE HOUSING UPPER SPACE GUIDE VORTEX AIR FLOW LOWER SPACE COLLECT SEPARATE
CONTAMINATE AIR

DERWENT-CLASS: P28 X27

EPI-CODES: X27-D04A; X27-D04C;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2002-380678

		CIT.1		REV.1	CLS.1		REF.1		SEQ.1		ATT.1			
Full	Title													

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